

INTERNATIONAL SEARCH REPORT

International Application No

PCT, ... 03/02771

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E21B43/36 E21B43/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 201 263 A (MOBIL NORTH SEA LTD) 12 November 1986 (1986-11-12) column 5, line 1-17; figure 1	1-8, 11-14
Y	column 5, line 46 -column 6, line 6; figure 2	9
X	US 3 868 312 A (WANZENBERG FREDERICK WHEELOCK ET AL) 25 February 1975 (1975-02-25) column 4, line 57 -column 5, line 12 column 5, line 67 -column 6, line 16	1,3-5,8, 10-13
Y	US 6 167 960 B1 (MOYA EMMANUEL G) 2 January 2001 (2001-01-02) column 3, line 3-11; figure 2	9
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *8* document member of the same patent family

Date of the actual completion of the international search

8 December 2003

Date of mailing of the international search report

19/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

van Berlo, A

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 03/02771

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DAVALATH J: "SUBSEA SEPARATION SHORTENS CYCLE FOR DEEPWATER, LONG OFFSET PRODUCTION COMPACT SYSTEMS SEPARATE UP TO FOUR PHASES" OFFSHORE, PETROLEUM PUBLISHING CO. TULSA, US, vol. 59, no. 12, December 1999 (1999-12), page 66,68,70,112 XP000963467 ISSN: 0030-0608 the whole document ---	1,2,13, 14
X	"SUBSEA SEPARATION TECHNOLOGIES FACE TECHNICAL, ADOPTION HURDLES DEEPWATER, MARGINAL FIELDS PRIMARY DRIVERS" OFFSHORE, PETROLEUM PUBLISHING CO. TULSA, US, vol. 60, no. 2, February 2000 (2000-02), page 88,90 XP000965921 ISSN: 0030-0608 the whole document ---	1
T	EP 1 353 038 A (COOPER CAMERON CORP) 15 October 2003 (2003-10-15) the whole document ---	1,13
A	WO 01 87453 A (TVEITEN MAGNAR ;KELLOGG BROWN & ROOT INC (US)) 22 November 2001 (2001-11-22) the whole document ---	1,13
P,X	WO 03 033871 A (ALPHA THAMES LTD ;APPLEFORD DAVID ERIC (GB); LANE BRIAN WILLIAM (G) 24 April 2003 (2003-04-24) the whole document -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT, 2003/02771

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0201263	A	12-11-1986	BR 8602044 A EP 0201263 A1 NO 861798 A	06-01-1987 12-11-1986 10-11-1986
US 3868312	A	25-02-1975	CA 920619 A1 US 3748248 A	06-02-1973 24-07-1973
US 6167960	B1	02-01-2001	US 6330915 B1	18-12-2001
EP 1353038	A	15-10-2003	EP 1353038 A1 WO 03087535 A1	15-10-2003 23-10-2003
WO 0187453	A	22-11-2001	AU 6745301 A BR 0111205 A CA 2409129 A1 WO 0187453 A2 EP 1307271 A2 NO 20025500 A US 2003168391 A1	26-11-2001 15-04-2003 22-11-2001 22-11-2001 07-05-2003 17-01-2003 11-09-2003
WO 03033871	A	24-04-2003	WO 03033871 A1	24-04-2003